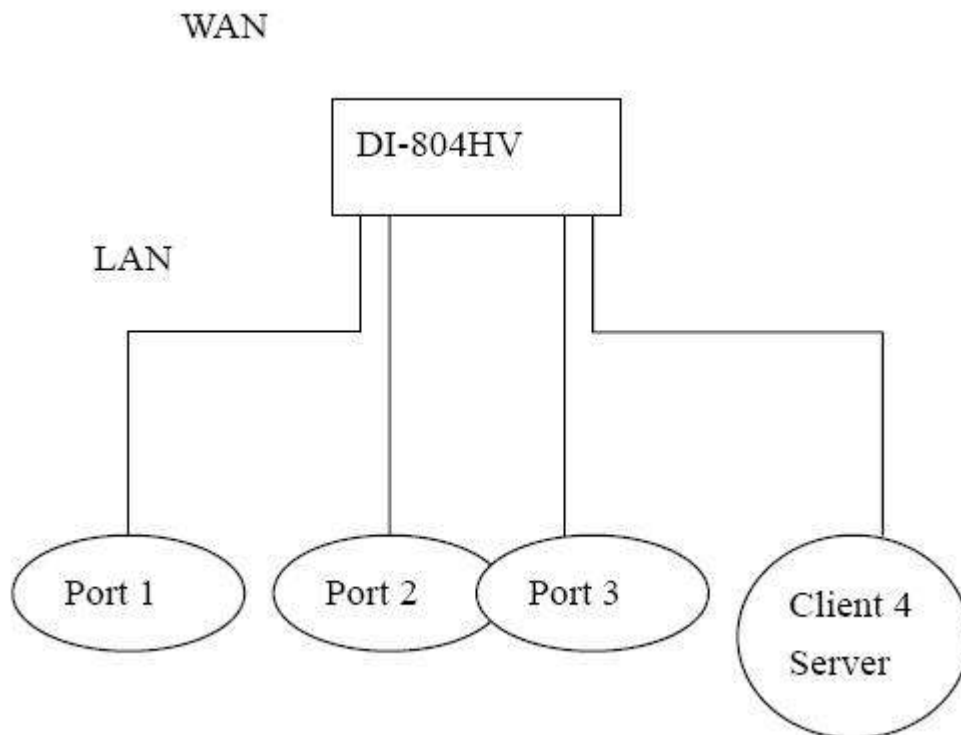


Subject : DI804HV QoS Test

1. Physical Port:

QoS Control by Physical Port.

1.1 Test Topology :



1.2 Test Case :

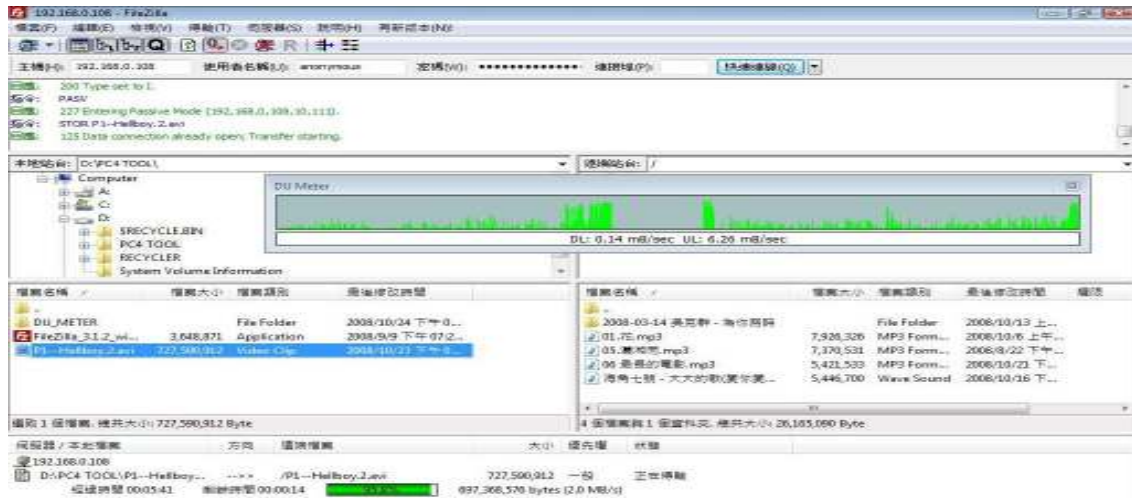
When user enables this function “Physical Port”, he also needs to choose the port as high priority or normal priority. Please refer to the above picture. We presume that Port1 runs as High (others still keep normal), and let the three ports(port1,2,3) upload to the server(port4 on the LAN side) at the same time. You should be able to find Port 1’s upstream throughput will be higher than Port 2 and Port 3. Because when DI-804HV gets all packets from Port 1, Port 2 and Port 3, it will have high priority to handle the Port1’s packets. So, DI-804HV will pass all the packets from Port 1 to the server(Port 4) first. This is why Port1’s upstream throughput is higher.

1.3 Test Result :

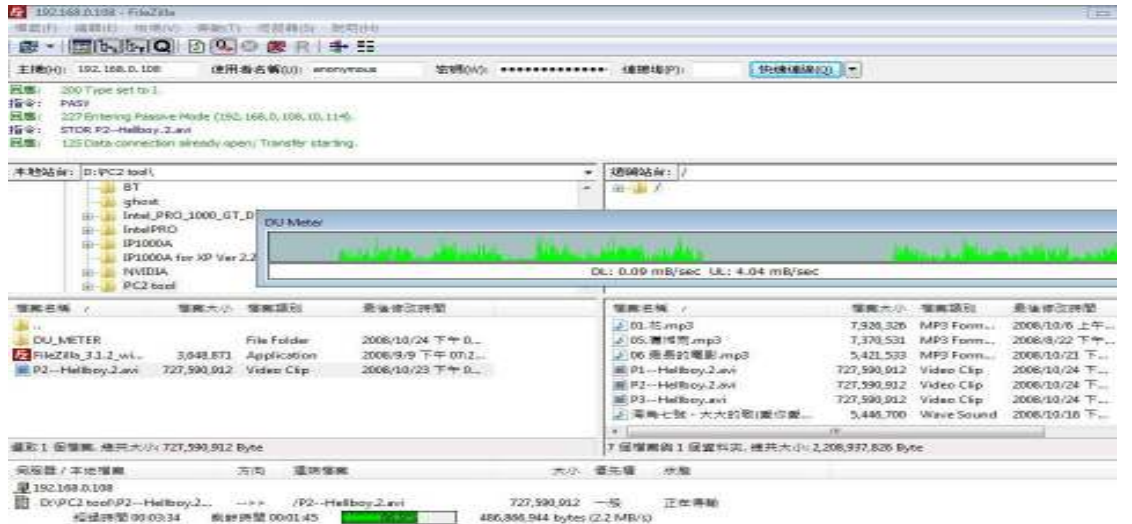
Physical Port	Port 1	Port 2	Port 3	Port 4
Priority	High	Normal	Normal	High
Speed(mB/sec)	6.26	4.04	4.26	None

1.4 Reference :

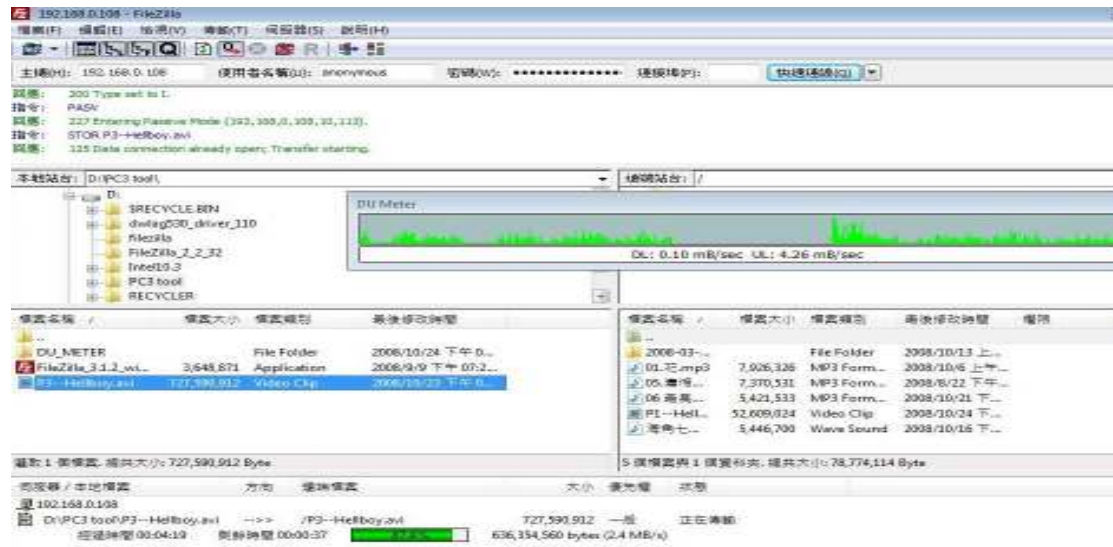
[Graph 1-1] PC1



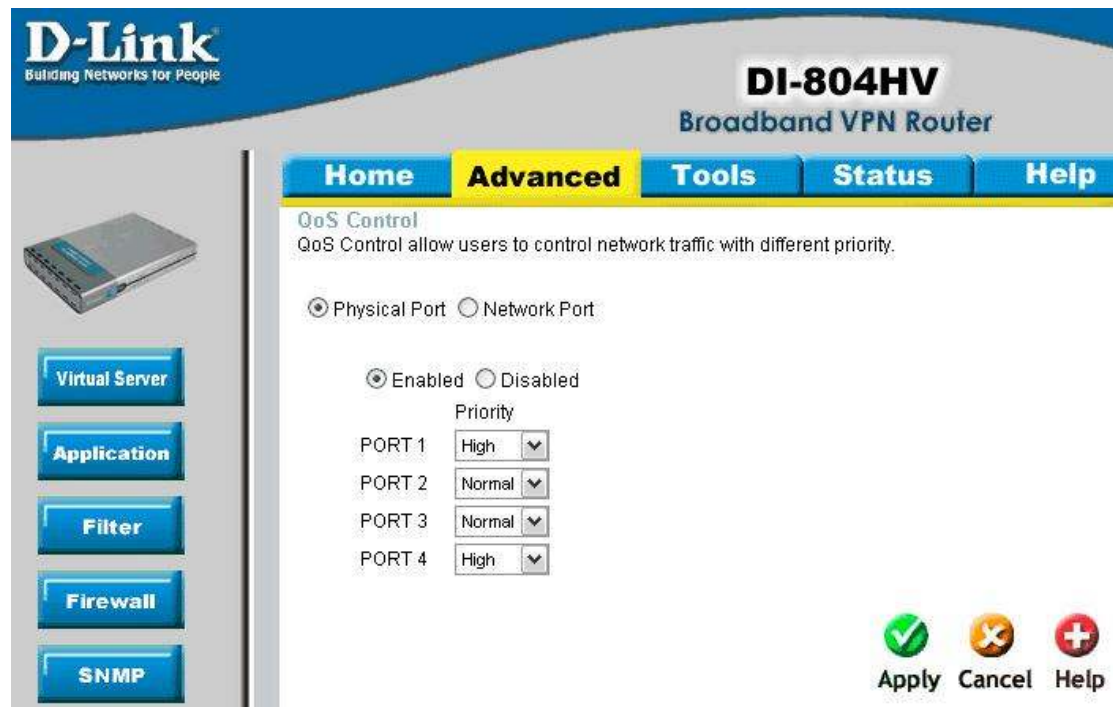
[Graph 1-2] PC2



[Graph 1-3] PC3



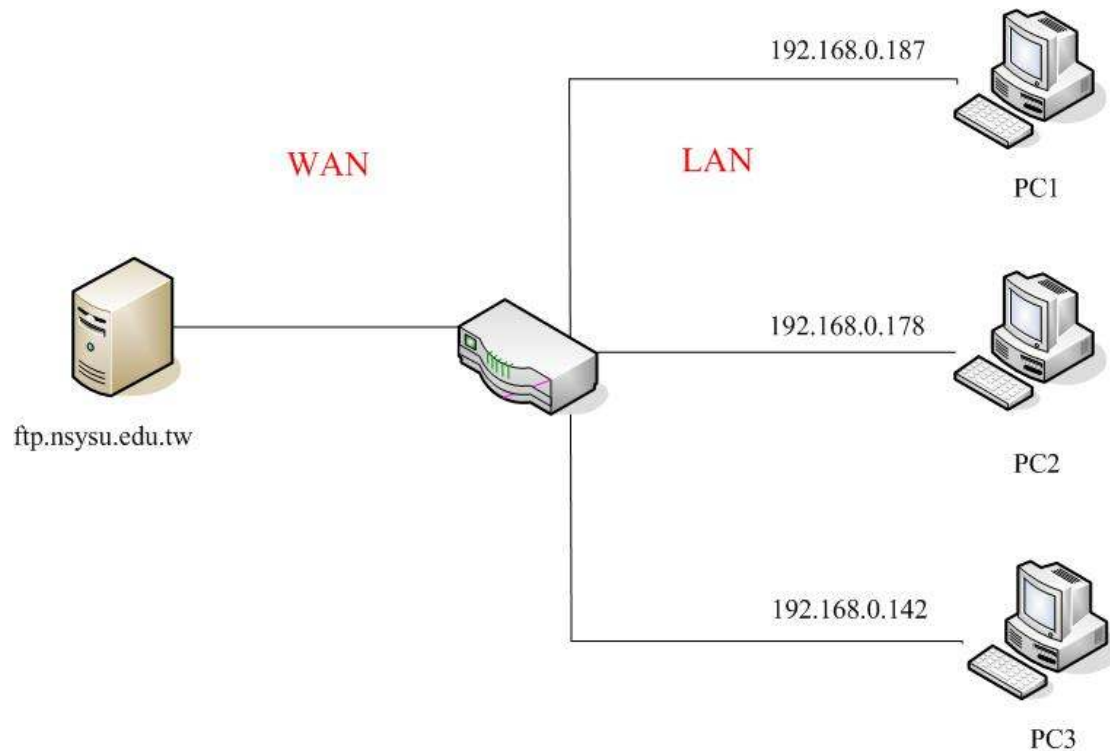
[Graph 1-4] DI-804 Setup



2. Network Port:

QoS Control by Physical Port.

2.1 Test Topology :



Rule 1: PC1(192.168.0.187) →FTP Server

Rule 2: PC2(192.168.0.178) →FTP Server

Rule 3: PC3(192.168.0.142) →FTP Server

2.2 Test Case :

When user enables this function “Network Port”, he also needs to set up LAN IP range, WAN IP range and priority. Please refer to the above picture. User sets up three rules which three PC clients(LAN side: 192.168.0.187,178,142) upload to three servers(on the WAN side). Then, PC1(192.168.0.187) to server runs as High ,PC2(192.168.0.178) and PC3(192.168.0.142) keeps normal, and let the three rules work at the same time. You should be able to find that PC1’s upstream throughput is the highest. Because when DI-804HV get all packets from PC1, PC2 and PC3, it will have high priority to handle the packets from PC1(192.168.0.187) to server and have normal priority to handle the packets from PC2(192.168.0.178) and PC3(192.168.0.142) to server. So, DI-804HV will pass all the packets from

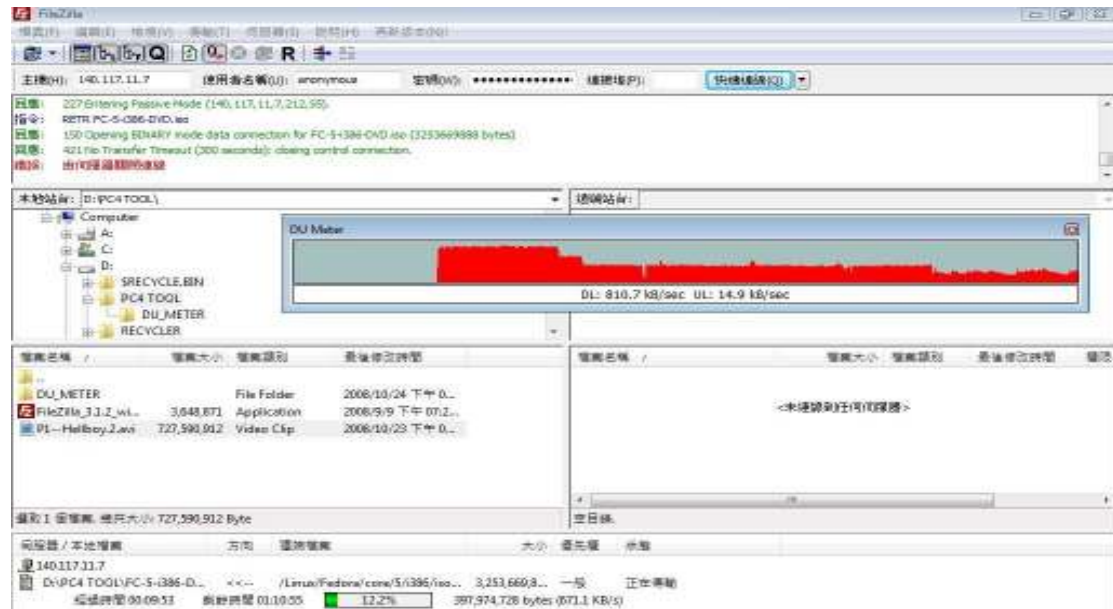
PC1(192.168.0.187) to Server1 first. This is why PC1's upstream throughput is the highest and PC2 and PC3's upstream throughput is much low.

2.3 Test Result :

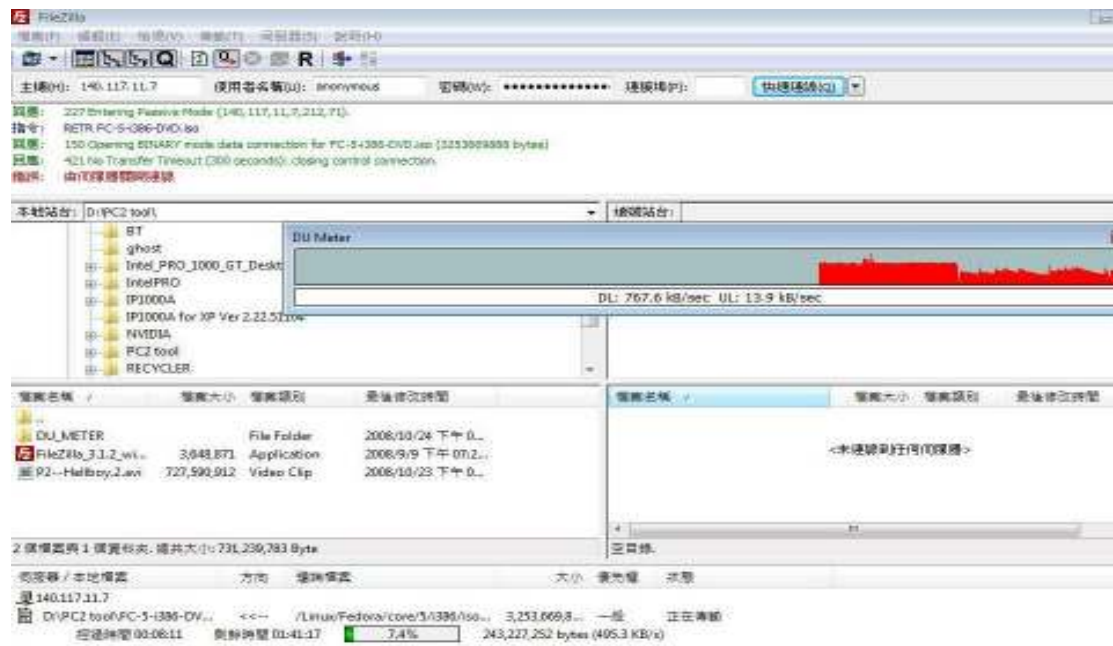
	PC1	PC2	PC3
IP	192.168.0.187	192.168.0.178	192.168.0.142
Priority	High	Normal	Normal
Speed(KB/sec)	810.7	767.6	770.4

2.4 Reference :

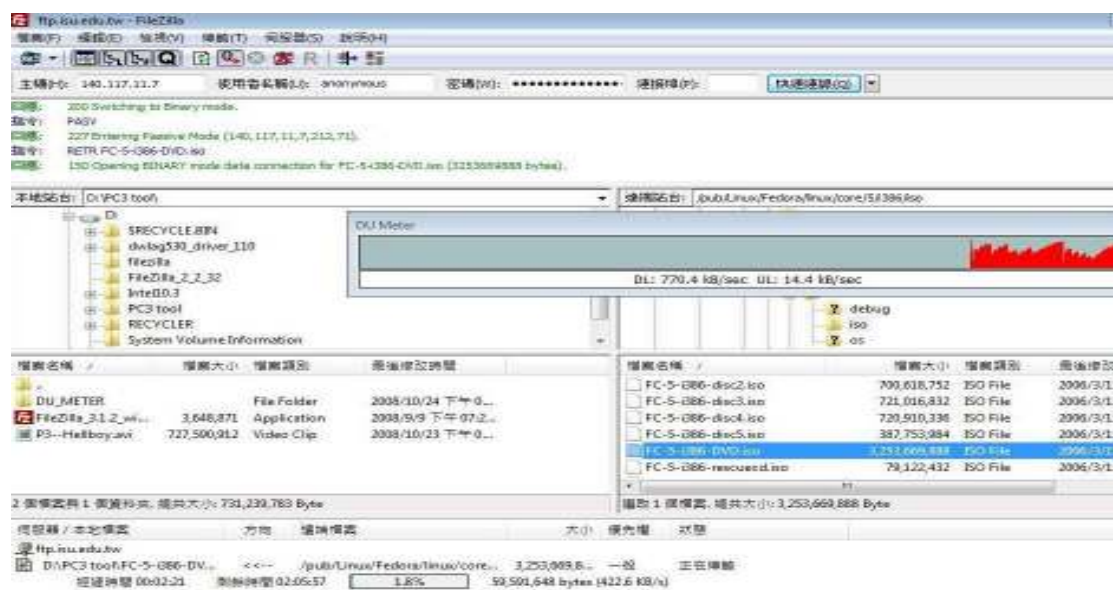
[Graph 2-1] PC1



[Graph 2-2] PC2



[Graph 2-3] PC3



[Graph 2-4] DI-804 Setup

Broadband VPN Router

Home **Advanced** Tools Status Help

QoS Control
QoS Control allow users to control network traffic with different priority.

Physical Port Network Port

Enabled Disabled

Enabled Disabled

Name: << Select Application >>

Priority: High

IP Start: IP End: Protocol: -- Port Range: -

LAN Interface: WAN Interface:

Schedule: Always From Time 00:00 To 00:00 day Sun to Sun

Apply Cancel Help

QoS Rules List

Name	Priority	LAN IP Range	WAN IP Range	LAN Protocol/Ports	WAN Protocol/Ports	
<input checked="" type="checkbox"/> FTP	High	192.168.0.187	140.117.11.7	*:21	*:21	
<input checked="" type="checkbox"/> FTP	Normal	192.168.0.178	140.117.11.7	*:21	*:21	
<input checked="" type="checkbox"/> FTP	Normal	192.168.0.142	140.117.11.7	*:21	*:21	

[Graph] PC Level

Control Panel > System

View basic information about your computer

Windows edition
Windows Vista™ Ultimate
Copyright © 2007 Microsoft Corporation. All rights reserved.
Service Pack 1

System
Rating: 1.0 Windows Experience Index: Unrated
Processor: Intel(R) Pentium(R) 4 CPU 2.66GHz 2.67 GHz
Memory (RAM): 1.00 GB
System type: 32-bit Operating System

Computer name, domain, and workgroup settings
Computer name: lan2 [Change settings](#)
Full computer name: lan2
Computer description:
Workgroup: WORKGROUP

Windows activation